STANDARD EQUIPMENT

ISO Standard cabin	
All-weather steel cab with 360° visibility	_
Safety glass windows	
Rise-up type windshield wiper	
Sliding fold-in front window	
Sliding side window(LH)	
Lockable door	
Hot & cool box	
Storage compartment & Ashtray	
Transparent cabin roof-cover	
CD/MP3 Player	
Handsfree mobile phone system with USB	
Sun visor	
Computer aided power optimization (New CAPO) system	
3-power mode, 2-work mode, User mode	
Auto deceleration & one-touch deceleration system	
Auto warm-up system	
Auto overheat prevention system	
Automatic climate control	-
Full automatic temperature controller	
Defroster Self-diagnostics system	
Starting Aid (air grid heater) for cold weather	_
Centralized monitoring	
LCD display	_
Engine speed or Trip meter/Accel.	
Clock	
Gauges	
Fuel level gauge	
Engine coolant temperature gauge	
Hyd. oil temperature gauge	
Warnings	
Check engine	
Overload	
Communication error	
Low battery	
Air cleaner clogging	
Indicators	
Max power	
Low speed/High speed	
Fuel warmer	
Auto idle	
Three outside rearview mirrors	
Fully adjustable suspension seat with seat belt	
Pilot-operated slidable joystick	
Console box height adjust system	
Four front working lights, one rear light	
<u>Electric horn</u>	
Batteries (2 x 12V x 200 AH)	
Battery master switch	
Removable clean-out dust net for cooler	
Automatic swing brake	
Automatic fuel line deaeration	
Fuel pre-filter with fuel warmer	
Boom holding system	
Arm holding system	
Counterweight (10,200kg / 22,490lb)	
Track shoes (600mm, 24") Track shi guard	
Track rail guard	
Accumulator for lowering work equipment	
Electric transducer	-
Lower frame under cover (Normal) Viscous fan clutch	
Viscous fan clutch Travel alarm	-
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OPTIONAL EQUIPMENT

Fuel filler pump (50 L/min)	
Beacon lamp	
Safety lock valve for boom cylinder with overload warning device	
Safety lock valve for arm cylinder	
Single-acting piping kit (breaker, etc.)	
Double-acting piping kit (clamshell, etc.)	
Quick coupler	
12 volt power outlet (24V DC to 12V DC converter)	
Booms	
Heavy duty boom (7.06m,23'2")	
Short boom (6.55m,21'6")	
Long boom (9.0m,29'6")	
Arms	
Heavy duty arm (3.38m,11'1")	
Super short arm (2.4m,7'10")	
Short arm (2.9m,9'6")	
Long arm (5.85m, 19'2")	
Climate control	
Air conditioner only	
Heater only	
Air conditioner & heater manually	
Cabin FOPS/FOG (ISO/DIS 10262)	
FOPS (Falling Object Protective Structure)	
FOG (Falling Object Guard)	
Cabin roof-steel cover	
Cabin lights	
Cabin front window rain guard	
Track shoes	
Triple grousers shoe (700mm, 28")	
Triple grousers shoe (750mm, 30")	
Triple grousers shoe (800mm, 32")	
Double grousers shoe (600mm, 24")	
Double grousers shoe (700mm, 28")	
Full track rail guard	
Lower frame under cover (Additional)	
Pre-heating system, coolant	
Tool kit	
Operator suit	
Rearview camera	
Seat	
Mechanical suspension seat	
Air-suspension seat with heater	
Air-suspension seat	
Pattern change valve (2 patterns)	
Oil washed air cleaner	
Hi-mate (Remote Management System)	

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.

- * The photos may include attachments and optional equipment that are not available in your area.
- * Materials and specifications are subject to change without advance notice.
- $\,$ * All imperial measurements rounded off to the nearest pound or inch.

HYUNDAI HEAVY INDUSTRIES CO., LTD.

CONSTRUCTION EQUIPMENT

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PLEASE CONTACT

2010.02 Rev. 0



Pride at Work

Hyundai Heavy Industries strives to build state-of-the art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality. Take pride in your work with Hyundai!

52010.9

Undercarriage

Sealed track chain (urethane seals) / Standard track rail guard / Comfortable bolt-on steps Large upper roller cut-outs for debris clean-out / Tapered side frames for debris clean-out / Grease-type track tensioner

Engine Technology

Proven / reliable, fuel efficient Cummins Tier III QSM11 engine Electronically controlled for optimum fuel to air ratio and clean, efficient combustion Low noise / Auto engine overheat feature / Anti-restart feature

Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps New compact solenoid block equipped with 4 solenoid valves, 1 EPPR valves, 1 check valve accumulator and pilot filter controls 2 speed travel, power boost, boom priority, safety lock

Enhanced Operator Cab Improved Visibility

Enlarged cab with improved visibility / See-through upper skylight for visibility and ventilation Larger right-side glass, now one piece, for better right visibility Safety glass windows on all sides - less expensive than (polycarbonate) and won't scratch or fade Closeable sunshade for operator convenience / Reduced front window seam for improved operator view

Improved Cab Construction

New steel tube construction for added operator safety, protection and durability New window open/close mechanism designed with cable and spring lift assist and single latch release

Improved Suspension Seat / Console Assembly

Ergonomic joysticks with auxiliary control buttons for attachment use. Now with new sleek styling Heated suspension (standard) or optional air ride suspension with heat New joystick consoles - now adjustable in height by way of dial at bottom Adjustable arm rests - turn dial to raise or lower for optimum comfort

Advanced 7" Color Cluster

New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel. Simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.

3 power modes : (P) Power, (S) Standard, (E) Economy, 2 work modes : Dig & Attachment, (U) User mode for operator preference Enhanced self-diagnostic features with GPS download capability One pump flow or two pump flow for optional attachment now selectable through the cluster / New anti-theft system with password capability

Boom speed and arm regeneration are selectable through the monitor. Auto power boost is now available - selectable (on/off) through the monitor. Powerful air conditioning and heat with auto climate control, 20% more heat and air output than 7A series! RMS (Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.

Bolice 520LC-9

Machine Walk-Around





Wide Cabin with Excellent Visibility

The newly designed cabin was conceived for more space, a wider field of view and operator comfort. Special attention was given to a clear, open and convenient interior with plenty of visibility on the machine surroundings and the job at hand. This well balanced combination of precision aspects put the operator in the perfect position to work safely and securely.

In 9 series cabin you can easily adjust the seat, console and Operator Comfort armrest settings to best suit your preferred comfort level. Seat and console position and height can be set together and independent from each other. Other preference settings that add to overall operator comfort include the full automatic high capacity airconditioning system and the CD/MP3 radio.

Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9 series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with CD player, AM/FM stereo and MP3 capabilities, plus remotely located controls is perfect for listening to music favorites. Operators can even talk on the phone with the hands-free cell phone feature.









Operator - Friendly Cluster

The advanced new cluster with 7 inch wide color LCD screen and toggle switch allows the operator to select his personal machine preferences. Power and work mode selection, self diagnostics, optional rear-view camera, maintenance check lists, start-up machine security, and video functions were integrated into the cluster to make the machine more versatile and the operator more productive.

Precision

smooth and easy to control.

HYUNDAI

Computer Aided Power

The engine horsepower and hydraulic horsepower together in unison through the advanced CAPO(Computer Aided Power Optimization) system, flow for the job at hand. Operator can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button. The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperatures and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the electronically controlled engine to provide the optimum level of engine power and hydraulic flow.

Power Mode

Work Mode

User Mode

S (Standard) mode provides a reduced, fixed rpm for optimum performance and improved fuel economy. For maximum fuel savings and improved control, E (Economy) mode provides precise flow and engine power based on load demand. Three unique power modes provide the operator with custom power, speed and fuel economy.

The work mode allows the operator to select single flow attachments like a hydraulic breaker or bi-directional flow attachments like a crusher. Flow settings unique to each attachment can be programmed from within the cluster.

Some jobs require more precise machine settings. Using the versatile U (User) mode, the operator can customize engine speed, pump output, idle speed and other machine settings for the job at hand.

Improved Hydraulic System



series look like a smooth operator. Newly improved features include arm-in and boom-down flow regeneration, improved control valve technology and innovative auto boom and swing priority for optimal performance in any application.



*Photo may include optional equipment.

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P (Power Max) mode maximizes machine speed and power for mass production.

To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and improved controllability. Improved pump flow control reduces flow when controls are not being used to minimize fuel consumption.

Improved spool valves in the control valve are engineered to provide more precise flow to each function with less effort.

Improved hydraulic valves, precision-designed variable volume piston pumps, fine-touch pilot controls, and enhanced travel functions make any operator running a 9

Auto Boom-swing Priority

This smart function automatically and continuously looks the ideal hydraulic flow balance for the boom and swing motions of the machine. The advanced CAPO system monitors the hydraulic system and adjusts its settings to maximize performance and productivity.

Performance

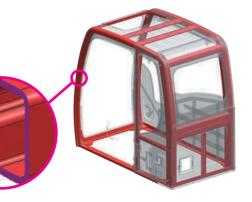
HYUNDAI

9 series is designed for maximum performance to keep the operator working productively.

Track Rail Guard & Adjusters

Durable track rail guards keep track links in place. Track adjustment is made easy with orbing springs.

standard grease cylinder track adjusters and shock absorbing springs.



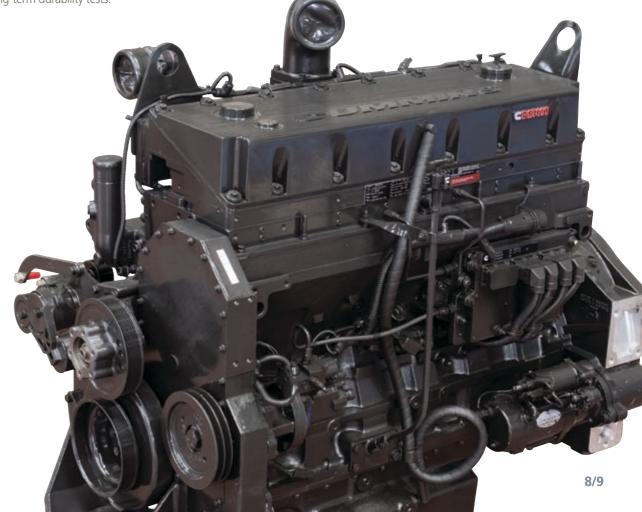
Structure Strength

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The 9 series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Lowstress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis and long-term durability tests.

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*Photo may include optional equipment.

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CUMMINS QSM11 Engine

The Tier III compliant, six cylinder, turbo-charged, 4 cycle, water cooled, Cummins QSM11 diesel engine is built for power, reliability, efficiency and reduced emissions.

Heavy-duty strength

The QSM11 from Cummins. With advanced electronics. Higher torque. Better throttle response. Shorter service times. Longer maintenance intervals. Increased fuel economy. Decreased noise. Diagnostics. Prognostics. Engine protection, and more. All wrapped up in something we call the Quantum system.

The QSM11 is built to withstand the toughest work environment. Bearings have more surface area to handle higher loads with greater durability. The exhaust manifold allows for heat expansion and contraction, eliminating metal stress fractures. Reduced friction in the power cylinder means longer life and increased power output. From the structurally reinforced block to the stiffened gear housing, the QSM11 is built stronger to last longer.

Profitable

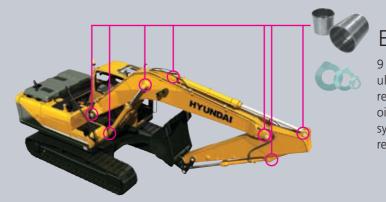
9 series is designed to maximize profitability through improved efficiencies, enhanced service features and longer life components.



Hi-mate (Remote Management System)

Hi-mate, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access. Users can pinpoint machine location using digital mapping and set machine work boundaries, reducing the need for multiple service calls. Hi-mate saves time and money for the owner and dealer by promoting preventative maintenance and reducing machine downtime.

G







Fuel Efficient

9 series excavators are engineered to be extremely fuel efficient. New innovations like fan clutch, the variable speed remote fan, three-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.



Easy Access

Ground-line access to filters, lube fittings, fuses, machine computer components and wide open compartments makes service more convenient on the 9 series.

Extended Life Components

9 series excavators were designed with extended lubricant bush life & ultra high molecular weight polymer shim (wear resistant, noise reducing), extended-life hydraulic filters (1,000hr), long-life hydraulic oil (5,000hr), more efficient cooling systems and integrated preheating systems to long extend service intervals, minimize operating costs and reduce machine down time.

Specifications

ENGINE

		CUMMINS QSM11			
		Water-cooled, 4-cycle Diesel,			
		6-Cylinder in-line, Direct injection,			
		Turbocharged, Charge air cooled,			
		Low emission			
CAE	J1995 (gross)	357HP (266kW)/ 1,900rpm			
SAE	J1349 (net)	342HP (255kW)/ 1,900rpm			
DIN	6271/1 (gross)	362HP (266kW)/ 1,900rpm			
	6271/1 (net)	347HP (255kW)/ 1,900rpm			
Max. torque		170.8kgf·m (1,235lbf·ft)/ 1,400rpm			
		125mm X 147mm (4.92" X 5.79")			
Piston displacement		10,800cc (659 in ³)			
		2 X 12V X 200AH			
r		24V, 7.2kW			
		24V, 70Amp			
	ment	SAE J1349 (net) DIN 6271/1 (gross) 6271/1 (net) ment			

HYDRAULIC SYSTEM

MAIN PUMP				
Туре	Variable displacement tandem-axis piston pumps			
Max. flow	2 X 360 L /min (95.1 US gpm/79.2 UK gpm)			
Sub-pump for pilot circuit	Gear pump			
Cross-sensing and fuel saving pump	o system			
HYDRAULIC MOTORS				
Travel	Two-speed axial pistons motor			
llavei	with brake valve and parking brake			
Swing	Axial piston motor with automatic brake			
RELIEF VALVE SETTING				
Implement circuits	330 kgf/cm ² (4,690 psi)			
Travel	345 kgf/cm ² (4,910 psi)			
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)			
Swing circuit	285 kgf/cm ² (4,050 psi)			
Pilot circuit	40 kgf/cm ² (570 psi)			
Service valve	Installed			
HYDRAULIC CYLINDERS				
No. of a diadou	Boom: 2-170 X1,570 mm (6.7" X 61.8")			
No. of cylinder	Arm: 1-190 X 1,820 mm (7.5" X 71.7")			
bore X stroke	Bucket: 1-170 X 1,370 mm (6.7" X 53.9")			

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	38,500 kgf (82,000 lbf)
Max. travel speed (high / low)	5.0 km/hr (3.3 mph) / 3.2 km/hr (2.0 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever				
	(LH): Swing and arm, (RH): Boom and bucket (ISO)				
Traveling and steering	Two levers with pedals				
Engine throttle	Electric, Dial type				
	Four lights mounted on the boom,				
Linkto	one light mounted under the battery box				
Lights	one light mounted under the cabin				
	one light mounted on the countweight				

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.0 rpm

COOLANT & LUBRICANT CAPACITY

Re-filling	liter	US gal	UK gal
Fuel tank	621	164	136.6
Engine coolant	50.0	13.2	11.0
Engine oil	37.9	10.0	8.3
Swing device - gear oil	5.0	1.3	1.1
Final drive (each) - gear oil	5.0	1.3	1.1
Hydraulic system (including tank)	380	100.4	83.6
Hydraulic tank	262	69.2	57.6

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X-leg type
Track frame	Pentagonal box type
No. of shoes on each side	53
No. of carrier rollers on each side	3
No. of track rollers on each side	9
No. of rail guards on each side	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 7,060mm (23' 2") boom, 3,380mm (11' 1") arm, SAE heaped 2.15m³ (2.81 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

MAJOR COMPONENT WEIGHT						
Upperstructure 11,210kg (24,710lb)						
Counterweight	10,200kg (22,490lb)					
Boom (with arm cylinder)	4,140kg (9,130lb)					

OPERATING WEIGHT

Shoes		Operating weight	Ground pressure		
Туре	Type Width mm (in)		kgf/cm ² (psi)		
	600 mm (24")	51,000 (112,430)	0.88 (12.51)		
Triple	700 mm (28")	51,540 (113,630)	0.76 (10.81)		
grouser	750 mm (30")	51,810 (114,220)	0.72 (10.24)		
	800 mm (32")	52,080 (114,820)	0.67 (9.53)		
Double grouser	600 mm (24")	51,000 (112,430)	0.88 (12.51)		
Double grouser	700 mm (28")	51,540 (113,630)	0.76 (10.81)		

BUCKETS

All buckets are welded with high-strength steel.

						A STATE				
SAE heaped m³ (yd³)	heaped 1.		1.00 (1.31) 1.38 (1.80)			3.03 (3.96)	1.80 (2.35)3.20 (4.19)		2.20 (2.88)	
Сара	acity	Wie	dth				Recommendat	tion mm (ft·in)		
m³ (yd³)	mm	(in)	Weight		7.060(23)	2″)Boom		6,550(21' 6")Boom	9.000(29' 6")Boom
SAE	CECE	Without	With	kg (lb)						
heaped	heaped	sidecutters	sidecutters		2,400(7' 10")Arm	2,900(9' 6")Arm	3,380(11' 1")Arm	4,000(13' 1")Arm	2,400(7' 10")Arm	5,850(19' 2")Arm
1.00 (1.31)	0.9 (1.17)	915 (36.0)	1,065 (41.9)	1,220 (2,690)	-	-	-	-	-	•
1.38 (1.80)	1.25 (1.63)	1,100 (43.3)	1,250 (49.2)	1,420 (3,130)	-	-	-	-	-	
1.65 (2.16)	1.48 (1.94)	1,140 (44.9)	1,290 (50.8)	1,520 (3,350)	•	•	•		•	-
2.15 (2.81)	1.92 (2.51)	1,415 (55.7)	1,565 (61.6)	1,740 (3,840)	•	•			•	-
2.79 (3.65)	2.47 (3.23)	1,760 (69.3)	1,910 (75.2)	1,960 (4,320)				-	•	_
3.03 (3.96)	2.67 (3.49)	1,890 (74.4)	2,040 (80.3)	2,090 (4,610)			-	-		_
2.20 (2.88)	1.80 (2.35)	1,840 (72.4)	-	2,170 (4,780)	•	•		-	•	_
1.80 (2.35)	1.50 (1.96)	1,560 (61.4)	-	2,110 (4,650)	•	•		-	•	_
3.20 (4.19)	2.80 (3.66)	2,095 (82.5)		2,900 (6,390)	_	_	_	_		_

Heavy duty bucket

Rock-Heavy duty bucket

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 6,550mm(21' 6"), 7,060mm(23' 2"), 9,000mm(29' 6")boom and 2,400mm(7' 10"), 2,900mm(9' 6"), 3,380mm(11' 1"), 4,000mm(13' 1"), 5,850mm(19' 2")arms are available.

DIGGING FORCE

Deem	Length	mm (ft·in)		7,060(23' 2")		
Boom	Weight	kg (lb)		3,260	(7,180)		Demostly
Arm	Length	mm (ft·in)	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	Remarks
Arm	Weight	kg (lb)	2,370 (5,220)	2,540 (5,600)	2,380 (5,250)	2,670 (5,890)	
		kN	247.1 [269.6]	251.1 [273.9]	253.0 [276.0]	253.0 [276.0]	
Duralizat	SAE	kgf	25,200 [27,490]	25,600 [27,930]	25,800 [28150]	25,800 [28,150]	
Bucket		lbf	55,560 [60,610]	56,440 [61,570]	56,880 [62050]	56,880 [62,050]	
digging		kN	286.4 [312.4]	290.3 [316.7]	292.2 [318.8]	292.2 [318.8]	
force	ISO	kgf	29,200 [31850]	29,600 [32,290]	29,800 [32,510]	29,800 [32,510]	.,
		lbf	64,370 [70220]	65,260 [71,190]	65,700 [71,670]	65,700 [71,670]	[]:
		kN	278.5 [303.8]	225.6 [246.1]	192.2 [209.7]	171.6 [187.2]	Power
	SAE	kgf	28,400 [30,980]	23,000 [25,090]	19,600 [21,380]	17,500 [19,090]	Boost
Arm		lbf	62,610 [68,300]	50,710 [55,320]	43,210 [47,140]	38,580 [42,090]	
crowd		kN	291.3 [317.7]	235.4 [256.8]	200.1 [218.2]	177.5 [193.6]	
force	ISO	kgf	29,700 [32,400]	24,000 [26,180]	20,400 [22,250]	18,100 [19,750]	
		lbf	65,480 [71,430]	52,910 [57,720]	44,970 [49,060]	39,900 [43,530]	

Note: Boom weight includes arm cylinder, piping, and pin

Arm weight includes bucket cylinder, linkage, and pin







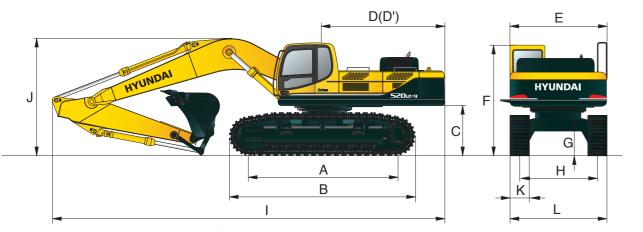
	2.20	(2.88)
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•: Applicable for materials with density of 2,000 kg /m³ (3,370 lb/ yd³) or less ■: Applicable for materials with density of 1,600 kg /m³ (2,700 lb/ yd³) or less

▲: Applicable for materials with density of 1,100 kg /m³ (1,850 lb/ yd³) or less

Dimensions & Working Range

R520LC-9 DIMENSIONS



	mm (ft·in)							mm (ft·in)
A Tumbler distance	4,470 (14' 8")	Boom length			,060 3′ 2″)		6,550 (21' 6")	9,000 (29' 6")
B Overall length of crawler	5,460 (17' 11")		2 400		1	4 000	. ,	
C Ground clearance of counterweight	1,500 (4' 11")	Arm length	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	2,400 (7′ 10″)	5,850 (19' 2")
D Tail swing radius	3,750 (12' 4")	I Overall length	12,280 (40' 3")	12,180 (40' 0")	12,060 (39' 7")	12,050 (39' 6")	11,780 (38' 5")	13,800 (45' 3")
D' Rear-end length	3,695 (12' 1")	Our well be signified	. ,	. ,	. ,		. ,	
E Overall width of upperstructure	2,980 (9' 9")	J Overall height of boom	3,970 (13' 0")	3,880 (12' 9")	3,850 (12' 8")	4,100 (13' 5")	4,100 (13' 5")	5,190 (17' 0")
F Overall height of cab	3,400 (11' 2")	K Track shoe width	600		700	750		800
G Min. ground clearance	770 (2' 6")	K Hack shoe width	(24")		(28")	(30")		(32")
H Track gauge (Extended/Retracted)	2,940 (9' 8")/2,380 (7' 10")	L Overall width	3,340 (10' 11"		3,440 (11' 3")	3,490 (11' 5"		3,540 (11' 7")

Lifting Capacity

R520LC-9

soom : 6.55	5m (21' 6	o") / Arm : 2.40	m (/' 10") / Bu	icket : 2.15 m ³	(2.81 yd ³) SAE Load r	heaped / Shoe	: 600mm (24") triple grouse	r with 10,200kg		At max. reach	
Load po		3.0 m (1	0.0 ft)	4.5 m (1		6.0 m (2	0.0 ft)	7.5 m (2	25.0 ft)	Capa		Reach
heigh m (ft		ŀ	reto)	ŀ	œ <u>e</u>)	ŀ	∎∎)	ŀ		ŀ	∎∎)	m (ft)
7.5 m	kg									*9680	9450	8.27
(25.0 ft)	lb									*21340	20830	(27.1)
6.0 m	kg					*12520	*12520	*10940	10930	*9510	7850	9.07
(20.0 ft)	lb					*27600	*27600	*24120	24100	*20970	17310	(29.8)
4.5 m	kg			*18820	*18820	*14060	*14060	*11610	10610	*9480	7010	9.53
(15.0 ft)	lb			*41490	*41490	*31000	*31000	*25600	23390	*20900	15450	(31.3)
3.0 m	kg					*15650	14440	*12390	10200	*9510	6620	9.71
(10.0 ft)	lb					*34500	31830	*27320	22490	*20970	14590	(31.9)
1.5 m	kg					*16660	13790	*12920	9840	*9540	6600	9.62
(5.0 ft)	lb					*36730	30400	*28480	21690	*21030	14550	(31.6)
Ground	kg			*22490	21060	*16730	13430	*12920	9610	*9500	6960	9.26
Line	lb			*49580	46430	*36880	29610	*28480	21190	*20940	15340	(30.4)
-1.5 m	kg	*25000	*25000	*20550	*20550	*15740	13350	*12050	9550	*9220	7870	8.59
(-5.0 ft)	lb	*55120	*55120	*45300	*45300	*34700	29430	*26570	21050	*20330	17350	(28.2)
-3.0 m	kg	*20980	*20980	*17260	*17260	*13380	*13380			*8260	*8260	7.49
(-10.0 ft)	lb	*46250	*46250	*38050	*38050	*29500	*29500			*18210	*18210	(24.6)
-4.5 m	kg			*11720	*11720							
(-15.0 ft)	lb			*25840	*25840							

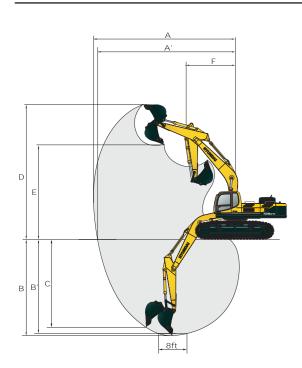
Boom : 7.06m (23' 2") / Arm : 2.40 m (7' 10") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 10,200kg (22,490 lb) Counterweight

المعطام	aint					Load	radius					At max. reach			
Load po		3.0 m (10.0 ft)	4.5 m (15.0 ft)	6.0 m (20.0 ft)	7.5 m (25.0 ft)	9.0 m (30.0 ft)	Cap	acity	Reach	
heigh m (ft		ŀ	œ₽D)	₽		₽		ŀ		₽		ŀ		m (ft)	
7.5 m	kg							*9860	*9860			*8740	8150	8.92	
(25.0 ft)	lb							*21740	*21740			*19270	17970	(29.3)	
6.0 m	kg					*12070	*12070	*10320	*10320			*8630	6890	9.66	
(20.0 ft)	lb					*26610	*26610	*22750	*22750			*19030	15190	(31.7)	
4.5 m	kg					*13750	*13750	*11130	10410	*9620	7600	*8620	6210	10.10	
(15.0 ft)	lb					*30310	*30310	*24540	22950	*21210	16760	*19000	13690	(33.1)	
3.0 m	kg					*15370	13980	*11980	9950	*9980	7390	*8670	5890	10.26	
(10.0 ft)	lb					*33890	30820	*26410	21940	*22000	16290	*19110	12990	(33.7)	
1.5 m	kg					*16320	13350	*12570	9570	*10220	7200	*8720	5870	10.18	
(5.0 ft)	lb					*35980	29430	*27710	21100	*22530	15870	*19220	12940	(33.4)	
Ground	kg					*16370	13040	*12680	9340			*8720	6160	9.84	
Line	lb					*36090	28750	*27950	20590			*19220	13580	(32.3)	
-1.5 m	kg			*19880	*19880	*15530	13000	*12110	9280			*8550	6880	9.22	
(-5.0 ft)	lb			*43830	*43830	*34240	28660	*26700	20460			*18850	15170	(30.2)	
-3.0 m	kg	*20120	*20120	*17240	*17240	*13690	13170	*10450	9420			*7940	*7940	8.22	
(-10.0 ft)	lb	*44360	*44360	*38010	*38010	*30180	29030	*23040	20770			*17500	*17500	(27.0)	
-4.5 m	kg			*12990	*12990	*10140	*10140								
(-15.0 ft)	lb			*28640	*28640	*22350	*22350								

1. Lifting capacity is based on SAE J1097, ISO 10567.

Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

R520LC-9 WORKING RANGE



							mm (ft·in)
	Boom length)60 2")		6,550 (21' 6")	9,000 (29' 6")
	Arm length	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	2,400 (7' 10")	5,850 (19' 2")
A	Max. digging	11,140	11,530	12,080	12,640	10,590	16,280
	reach	(36' 7")	(37' 10")	(39' 8")	(41' 6")	(34' 9")	(53' 5")
A	, Max. digging reach on ground	10,890 (35' 9")	11,290 (37' 0")	11,840 (38' 10")	12,420 (40' 9")	10,320 (33' 10")	16,100 (52' 10")
В	Max. digging	6,610	7,110	7,590	8,210	6,130	11,380
	depth	(21' 8")	(23' 4")	(24' 11")	(26' 11")	(20' 1")	(37' 4")
В	, Max. digging	6,430	6,940	7,440	8,080	5,950	11,280
	depth (8' level)	(21' 1")	(22' 9")	(24' 5")	(26' 6")	(19' 6")	(37' 0")
с	Max. vertical wall	4,880	4,780	5,470	5,980	4,390	10,070
	digging depth	(16' 0")	(15' 8")	(17' 11")	(19' 7")	(14' 5")	(33' 0")
D	Max. digging	10,640	10,610	11,080	11,290	10,260	13,930
	height	(34' 11")	(34' 10")	(36′ 4″)	(37′ 0″)	(33' 8")	(45' 8")
E	Max. dumping	7,290	7,350	7,760	7,980	6,920	10,530
	height	(23' 11")	(24' 1")	(25' 6")	(26' 2")	(22' 8")	(34' 7")
F	Min. swing radius	5,110 (16' 9")	4,910 (16' 1")	4,830 (15' 10")	4,910 (16' 1")	4,650 (15′ 3″)	5,940 (19' 6")

Rating over-front (Rating over-side or 360 degree

3. The load point is a hook located on the back of the bucket.

4. (*) indicates the load limited by hydraulic capacity.

Lifting Capacity

R520LC-9

Rating over-front ERating over-side or 360 degree

ا م م م						Load	radius					A	At max. read	h
Load po		3.0 m (10.0 ft)	4.5 m (15.0 ft)	6.0 m (20.0 ft)	7.5 m (25.0 ft)	9.0 m (30.0 ft)	Capa	acity	Reach
heigh m (ft		Þ		Þ		Þ	∎∎)		∎∎)	ŀ				m (ft)
7.5 m	kg							*9130	*9130			*8030	7490	9.38
(25.0 ft)	lb							*20130	*20130			*17700	16510	(30.8)
6.0 m	kg							*9680	*9680			*7980	6390	10.08
(20.0 ft)	lb							*21340	*21340			*17590	14090	(33.1)
4.5 m	kg			*17520	*17520	*12920	*12920	*10560	10490	*9150	7650	*8020	5780	10.50
(15.0 ft)	lb			*38620	*38620	*28480	*28480	*23280	23130	*20170	16870	*17680	12740	(34.4)
3.0 m	kg			*21080	*21080	*14680	14130	*11500	9990	*9620	7390	*8110	5480	10.66
(10.0 ft)	lb			*46470	*46470	*32360	31150	*25350	22020	*21210	16290	*17880	12080	(35.0)
1.5 m	kg			*22550	20650	*15900	13380	*12240	9560	*9990	7150	*8210	5440	10.58
(5.0 ft)	lb			*49710	45530	*35050	29500	*26980	21080	*22020	15760	*18100	11990	(34.7)
Ground	kg			*22180	20340	*16280	12970	*12550	9260	*10050	6980	*8290	5670	10.26
Line	lb			*48900	44840	*35890	28590	*27670	20410	*22160	15390	*18280	12500	(33.7)
-1.5 m	kg	*21080	*21080	*20820	20390	*15780	12830	*12240	9140			*8260	6270	9.66
(-5.0 ft)	lb	*46470	*46470	*45900	44950	*34790	28290	*26980	20150			*18210	13820	(31.7)
-3.0 m	kg	*23440	*23440	*18490	*18490	*14330	12930	*11060	9200			*7950	7480	8.72
(-10.0 ft)	lb	*51680	*51680	*40760	*40760	*31590	28510	*24380	20280			*17530	16490	(28.6)
-4.5 m	kg	*18200	*18200	*14780	*14780	*11520	*11520					*6800	*6800	7.30
(-15.0 ft)	lb	*40120	*40120	*32580	*32580	*25400	*25400					*14990	*14990	(24.0)

Boom : 7.06m (23' 2") / Arm : 3.38 m (11' 1") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 10,200kg (22,490 lb) Counterweight

Loodin	oint					Load	radius					A	At max. react	า
Load p heigł			(10.0 ft)		15.0 ft)		20.0 ft)		25.0 ft)	9.0 m (30.0 ft)		acity	Reach
m (ff		ŀ	œ₽D)	ŀ	œ∎o)	ŀ	œ∎⊃)	ŀ	œ₽D)	ŀ	ı	ŀ	œÐ)	m (ft)
7.5 m	kg											*7510	6700	10.00
(25.0 ft)	lb											*16560	14770	(32.8)
6.0 m	kg							*9190	*9190	*8380	7980	*7470	5810	10.66
(20.0 ft)	lb							*20260	*20260	*18470	17590	*16470	12810	(35.0)
4.5 m	kg			*16290	*16290	*12260	*12260	*10120	*10120	*8830	7750	*7510	5290	11.05
(15.0 ft)	lb			*35910	*35910	*27030	*27030	*22310	*22310	*19470	17090	*16560	11660	(36.3)
3.0 m	kg			*20110	*20110	*14150	*14150	*11160	10110	*9380	7470	*7590	5040	11.20
(10.0 ft)	lb			*44330	*44330	*31200	*31200	*24600	22290	*20680	16470	*16730	11110	(36.7)
1.5 m	kg			*22300	21040	*15600	13560	*12020	9640	*9840	7200	*7680	5000	11.13
(5.0 ft)	lb			*49160	46390	*34390	29890	*26500	21250	*21690	15870	*16930	11020	(36.5)
Ground	kg			*22570	20490	*16260	13060	*12490	9310	*10050	7000	*7750	5190	10.82
Line	lb			*49760	45170	*35850	28790	*27540	20530	*22160	15430	*17090	11440	(35.5)
-1.5 m	kg	*19050	*19050	*21590	20400	*16040	12850	*12390	9130	*9790	6900	*7740	5670	10.26
(-5.0 ft)	lb	*42000	*42000	*47600	44970	*35360	28330	*27320	20130	*21580	15210	*17060	12500	(33.7)
-3.0 m	kg	*25420	*25420	*19580	*19580	*14900	12870	*11510	9130			*7520	6620	9.40
(-10.0 ft)	lb	*56040	*56040	*43170	*43170	*32850	28370	*25380	20130			*16580	14590	(30.8)
-4.5 m	kg	*21120	*21120	*16290	*16290	*12560	*12560	*9330	*9330			*6750	*6750	8.11
(-15.0 ft)	lb	*46560	*46560	*35910	*35910	*27690	*27690	*20570	*20570			*14880	*14880	(26.6)
-6.0 m				*10870	*10870									
(-20.0 ft)				*23960	*23960									

Lifting capacity is based on SAE J1097, ISO 10567.
 Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates the load limited by hydraulic capacity.

Lifting Capacity

R520LC-9

Landa							Load	radius						A	t max. read	ch
Load po			10.0 ft)	4.5 m (15.0 ft)	6.0 m (20.0 ft)	7.5 m (25.0 ft)	9.0 m (30.0 ft)	10.5 m	(35.0 ft)		acity	Reach
heigł m (ft			∎∎⊃)	ŀ	œ₽D)	ŀ	œ ₽ ₽	ŀ	œ₽⊃)	ŀ	⊫⊇	ŀ	∎∎)	ŀ	œ₽D)	m (ft)
7.5 m	kg									*6160	*6160			*6770	5950	10.64
(25.0 ft)	lb									*13580	*13580			*14930	13120	(34.9)
6.0 m	kg									*7670	*7670			*6770	5200	11.26
(20.0 ft)	lb									*16910	*16910			*14930	11460	(36.9)
4.5 m	kg							*9320	*9320	*8200	7790	*5180	*5180	*6830	4750	11.62
(15.0 ft)	lb							*20550	*20550	*18080	17170	*11420	*11420	*15060	10470	(38.1)
3.0 m	kg			*18340	*18340	*13130	*13130	*10450	10170	*8830	7470	*6760	5620	*6920	4520	11.77
(10.0 ft)	lb			*40430	*40430	*28950	*28950	*23040	22420	*19470	16470	*14900	12390	*15260	9960	(38.6)
1.5 m	kg			*21260	*21260	*14840	13650	*11460	9640	*9410	7150	*7540	5450	*7030	4480	11.70
(5.0 ft)	lb			*46870	*46870	*32720	30090	*25260	21250	*20750	15760	*16620	12020	*15500	9880	(38.4)
Ground	kg	*13810	*13810	*22360	20460	*15850	13020	*12130	9240	*9780	6900	*6850	5310	*7130	4620	11.41
Line	lb	*30450	*30450	*49300	45110	*34940	28700	*26740	20370	*21560	15210	*15100	11710	*15720	10190	(37.4)
-1.5 m	kg	*18040	*18040	*22000	20150	*16010	12700	*12290	8990	*9780	6750			*7190	5000	10.88
(-5.0 ft)	lb	*39770	*39770	*48500	44420	*35300	28000	*27090	19820	*21560	14880			*15850	11020	(35.7)
-3.0 m	kg	*23040	*23040	*20520	20190	*15290	12620	*11780	8920	*9150	6730			*7110	5740	10.08
(-10.0 ft)	lb	*50790	*50790	*45240	44510	*33710	27820	*25970	19670	*20170	14840			*15670	12650	(33.1)
-4.5 m	kg	*24400	*24400	*17830	*17830	*13520	12770	*10290	9030					*6710	*6710	8.91
(-15.0 ft)	lb	*53790	*53790	*39310	*39310	*29810	28150	*22690	19910					*14790	*14790	(29.2)
-6.0 m	kg	*17570	*17570	*13410	*13410	*10090	*10090									
(-20.0 ft)	lb	*38740	*38740	*29560	*29560	*22240	*22240									

Boom : 9.00m (29' 6") / Arm : 5.85 m (19' 2") / Bucket : 1.38 m³ (1.80 yd³) SAE heaped / Shoe : 600mm (24") triple grouser with 10,700kg (23,590 lb) Counterweight

Landar							Load	radius						A	t max. read	:h
Load point			(10.0 ft)		(15.0 ft)		25.0 ft)		30.0 ft)		(35.0 ft)	13.0 m	(45.0 ft)		acity	Reach
heigh m (ft		F	œ₽D)	ŀ	œ₽D)	ŀ	œ₽D)	ŀ		ŀ	œ₽D)	ŀ		ŀ		m (ft)
10.0 m	kg													*4210	3970	13.66
(35.0 ft)	lb													*9280	8750	(44.8)
8.0 m	kg									*4750	*4750	*2800	*2800	*4140	3270	14.63
(25.0 ft)	lb									*10470	*10470	*6170	*6170	*9130	7210	(48.0)
6.0 m	kg									*5130	*5130	*4310	4110	*4130	2840	15.25
(20.0 ft)	lb									*11310	*11310	*9500	9060	*9110	6260	(50.0)
4.0 m	kg					*8700	*8700	*6790	*6790	*5650	5520	*4910	3900	*4170	2580	15.57
(15.0 ft)	lb					*19180	*19180	*14970	*14970	*12460	12170	*10820	8600	*9190	5690	(51.1)
2.0 m	kg			*16120	*16120	*10440	*10440	*7740	7260	*6190	5110	*5190	3670	*4230	2470	15.60
(5.0 ft)	lb			*35540	*35540	*23020	*23020	*17060	16010	*13650	11270	*11440	8090	*9330	5450	(51.2)
Ground	kg			*16710	16170	*11660	9800	*8490	6670	*6630	4760	*5400	3460	*4290	2490	15.35
Line	lb			*36840	35650	*25710	21610	*18720	14700	*14620	10490	*11900	7630	*9460	5490	(50.4)
-2.0 m	kg	*11290	*11290	*17600	15570	*12130	9250	*8870	6270	*6840	4500	*5410	3320	*4340	2660	14.80
(-5.0 ft)	lb	*24890	*24890	*38800	34330	*26740	20390	*19550	13820	*15080	9920	*11930	7320	*9570	5860	(48.6)
-4.0 m	kg	*14480	*14480	*16990	15500	*11860	9040	*8750	6090	*6680	4380	*4170	3290	*4330	3030	13.91
(-15.0 ft)	lb	*31920	*31920	*37460	34170	*26150	19930	*19290	13430	*14730	9660	*9190	7250	*9550	6680	(45.6)
-6.0 m	kg	*18200	*18200	*15010	*15010	*10780	9100	*8000	6110	*5900	4430			*4180	3740	12.60
(-20.0 ft)	lb	*40120	*40120	*33090	*33090	*23770	20060	*17640	13470	*13010	9770			*9220	8250	(41.3)
-8.0 m	kg	*16860	*16860	*11770	*11770	*8630	*8630	*6210	*6210					*3610	*3610	10.71
(-25.0 ft)	lb	*37170	*37170	*25950	*25950	*19030	*19030	*13690	*13690					*7960	*7960	(35.1)

1. Lifting capacity is based on SAE J1097, ISO 10567.

2. Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

Rating over-front ERAting over-side or 360 degree

3. The load point is a hook located on the back of the bucket.

4. (*) indicates the load limited by hydraulic capacity.